

Human Caspase 12 (CASP12) ELISA Kit | CASP12 elisa kit

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CATALOG #
AAA150038

REACTIVITY
Human

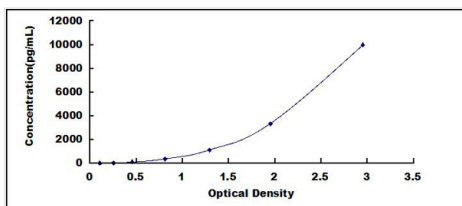
PRODUCT SYNONYMS

Caspase 12 (CASP12); Human Caspase 12 (CASP12) ELISA Kit; CASP12P1; Cysteiny Aspartate Specific Proteinases 12; Apoptosis-Related Cysteine Peptidase; CASP12 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Caspase 12 (CASP12). No significant cross-reactivity or interference between Caspase 12 (CASP12) and analogues was observed.
Sequence Length	341
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	13.7-10,000pg/mL
Sensitivity	5.0pg/mL
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Caspase 12 (CASP12) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Caspase 12 (CASP12) were tested on 3 different plates, 8 replicates in each plate. $CV(\%) = SD/mean \times 100$ Intra-Assay: $CV < 10\%$ Inter-Assay: $CV < 12\%$
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CASP12 elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Caspase 12 (CASP12). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Caspase 12 (CASP12). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Caspase 12 (CASP12), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of Caspase 12 (CASP12) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for CASP12 elisa kit	Apoptosis; Infection Immunity

NCBI AND UNIPROT INFORMATION

NCBI GI #	395398427
UniProt Accession #	Q6UXS9
NCBI Official Full Name	Inactive caspase-12
UniProt Protein Name	Inactive caspase-12
UniProt Gene Name	CASP12
UniProt Synonym Gene Names	CASP-12
UniProt Entry Name	CASPC_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/caspase-12-casp12/150038>